

## Product Specification



# MJ400R

## Recycling Jaw Crusher Module

### Jaw Crusher

- Terex TJ2844R Chamber C/W standard Super Tooth liner profile
- 1100mm (44") x 700mm (28") Jaw Chamber pre mounted on sub frame assembly with motor, belts, and drive guard
- Fabricated Main frame with bolt on bearing cartridges
- Direct Electrically driven jaw crusher via belt system
- Manual hydraulically assist closed side setting via shims
- Hydraulic overload protection
- Wedge & through bolt liner retention system on the fixed & the swing liner.
- CSS opening range – 50mm(2") to 125mm(5")
- 110kW (150HP) WEG Crusher Duty motor 380 - 415 Volts 3-Phase 50Hz

### Module Structure

- Bolt together on-site, quick setup time with basic tools
- One-piece crusher feed chute with plug welded AR liners and chamber guard
- Fines bypass "tool less" 2-position chute discharges to product conveyor or optional third party fines conveyor
- Galvanized and painted steel structure c/w walkways, steps, platforms, and guard rails
- Pre-wired "plug and play" design, minimal on-site wiring
- Heavy Duty Ground Mounted Electrical Control Panel and Plant wiring giving Manual/ Automatic Control of Jaw Module operation
- Emergency Stop Stations
- Observation Platform
- CE compliant module structure and components

#### Jaw Crusher

Motor Size	110kw (150hp)
Feed Opening	28" x 44" (700mm x 1100mm)
Crusher Weight	36,000lbs (16,300kg) (Dry Weight)
Setting Range	*2" – 6" (*50mm to 150mm) (*Pending Application)
Capacity	127 – 281stph (115-255mtph)
Standard Adjustment	Shim Hydraulic Assist c/w Hydraulic Overload Release
Frame Style	Welded
Lubrication System	Greased



## It's all about the access...

Terex® TJ2844R Single toggle jaw crusher with Renowned Hydraulic Overload Protection as standard

Fully galvanized steel structure including walkways, steps, guardrails and product conveyor

Low Angle wing Hopper for Ease of Loading

WEG W21 Crusher Duty Motor

Extra Heavy Duty Enclosure and support stand with SMART HMI based MCC panel

Industry Leading Under Crusher Hopper Design and Product Conveyor Access

Extra heavy duty I-beam frame

C&D "Easi Access" Side Discharge Product conveyor "No Crawl Maintenance Access"

"Pontoon" Base Frame for ease of installation and adaptation to site if concrete pad not used

Static Modular advantage enables re-bar pass easily and quicker out of the plant

### Vibrating Grizzly Feeder

- Spring mounted stepped vibrating pan and grizzly feeder
- Vibrating unit: twin heavy-duty cast eccentric shafts running in spherical roller bearings
- Wear resistant side and floor liner plates
- V-belt drive, 20 hp (15kW) motor with guard
- Length: 4.314' (4.3m); feeder width: 42" (1.06m)
- Total Stepped Grizzly length: 7' (2.12m);
- Two replaceable stepped cartridge grizzlies 75mm (3") nominal aperture tapered
- Under-screen: screen mesh standard

### Discharge Conveyor

- Side Discharge: standard non-drive side
- 1050mm wide (42") "Toughflex" EPP630 (360PIW) 2-ply belt
- 11kw (15 hp) electric drive motor
- Impact bars at feed point & AR liners at crusher feed point
- Belt scraper at head drum & Skirted at hopper feed area
- Slide-Back under crusher hopper discharge unit to remove rebar

### Hopper

- Hopper body 20mm (3/4") AR 400 construction with reinforcing ribs: 4 yd<sup>3</sup> (3.05m<sup>3</sup>) standard hopper capacity

### MJ400R Optional Items

- Extended Product conveyor dual drive option for feeding modular plant (contact factory for details)
- 3 piece AR400 construction Wing Hopper extensions increasing hopper capacity to approx. 8.41m<sup>3</sup> (11 yd<sup>3</sup>)
- Twin Pole Magnet and Off Plant Support Stand kit
- Bulkhead
- Deduct of Modular Switchgear Panel and wiring.

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